

Title (en)
POWER SUPPLY SYSTEM AND HEAT PUMP SYSTEM

Title (de)
STROMVERSORGUNGSSYSTEM UND WÄRMEPUMPENSYSTEM

Title (fr)
SYSTÈME D'ALIMENTATION ÉLECTRIQUE ET SYSTÈME DE POMPE À CHALEUR

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Application
EP 14822952 A 20140710

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Abstract (en)
[origin: EP3021455A1] The object of the present invention is to prevent an increase in cost even when solar power generation is utilized. A power supply system includes: a VVVF inverter 11 which converts DC power to AC power and outputs an AC voltage falling within a predetermined voltage value range; a solar power generation panel 14 which converts solar energy to DC power and which is capable of outputting a DC voltage equal to or greater than an upper limit voltage value of the voltage value range to the VVVF inverter 11; a AC-DC converter 15 which converts the AC power supplied from a power system S to DC power and outputs a DC voltage of a specific value that is equal to or greater than a lower limit voltage value of the voltage value range to the VVVF inverter 11 in order to compensate for a shortage of power supplied from the solar power generation panel 14 to the VVVF inverter 11; a first diode 12 which allows a current to flow in the direction from the solar power generation panel 14 to the VVVF inverter 11; and a second diode 13 which allows a current to flow in the direction from the AC-DC converter 15 to the VVVF inverter 11.

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Citation (search report)
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• See references of WO 2015005414A1

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